

Bethesda Station Vicinity

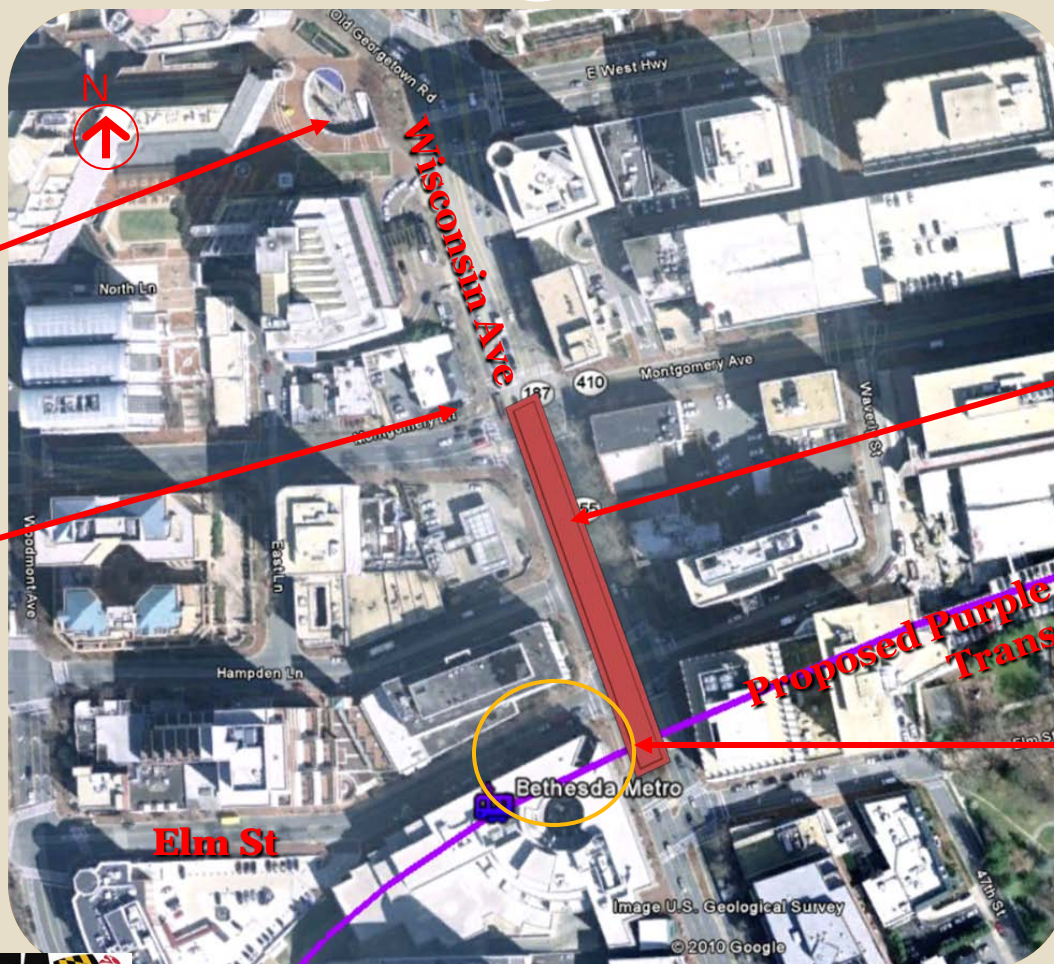


**North
Entrance**

**North
Elevator**

**Metro Red
Line
Platform**

**Bethesda
South
Entrance**



Bethesda Station South Entrance

Current Conditions and Operation Information

• Current Conditions

- Bethesda Metro Station ranks #3 in ridership of the WMATA Metrorail stations in Montgomery County
- Approximately 70% of passengers arrive by foot hence the need for additional elevator and stair access
- 10,730 average weekday boardings
- High use bicycle station
- Currently only one ADA accessible elevator located at the north entrance

• Operation

- This project is being funded by Montgomery County, managed by the Maryland Transit Administration (MTA) and designed and constructed in accordance with WMATA's standards.
- Being coordinated with the design and operation of the Purple Line Transitway



Project Description



- The purpose of this project is to construct a new entrance to accommodate future demand between Elm Street, the proposed Purple Line Terminal Station and the Metro Red Line
- The project includes:
 - High speed elevators (125 feet from Elm Street to Red Line mezzanine)
 - Vent shafts
 - Emergency stairs from Metro to Elm Street
 - Stairs from Purple Line to Elm Street
 - New mezzanine and pedestrian passageway at the south end of the Bethesda Metro Station
 - Service rooms required for the Bethesda Metro Station and Purple Line Terminal Station



Project Benefits



- **The addition of the new entrance:**
 - expands ADA accessibility
 - enhances safety, circulation and usability of the station
 - will provide travel time savings and convenience for many Metro riders
 - enhances access to metro platform
 - provides alternative means of emergency egress
 - supports the Montgomery County Master Plan
 - connects Elm Street, the Bethesda Metro Station and the proposed Purple Line Transitway
- This project is an independent project designed to accommodate construction of the Purple Line.



Schedule



Concept Design

Fall 2008 – Winter 2011

Public Meeting

Winter 2011

Preliminary Design

Spring 2011 – Fall 2011

Final Design

Fall 2011 – Fall 2012

Construction

To Be Determined



Cost Estimate



- Updated cost estimate indicates:
 - project is estimated to cost between \$60 and \$65 million (includes contingency for difficult construction, access, etc.)
- This project will be constructed at the same time as the Purple Line to reduce costs and minimize construction impacts.



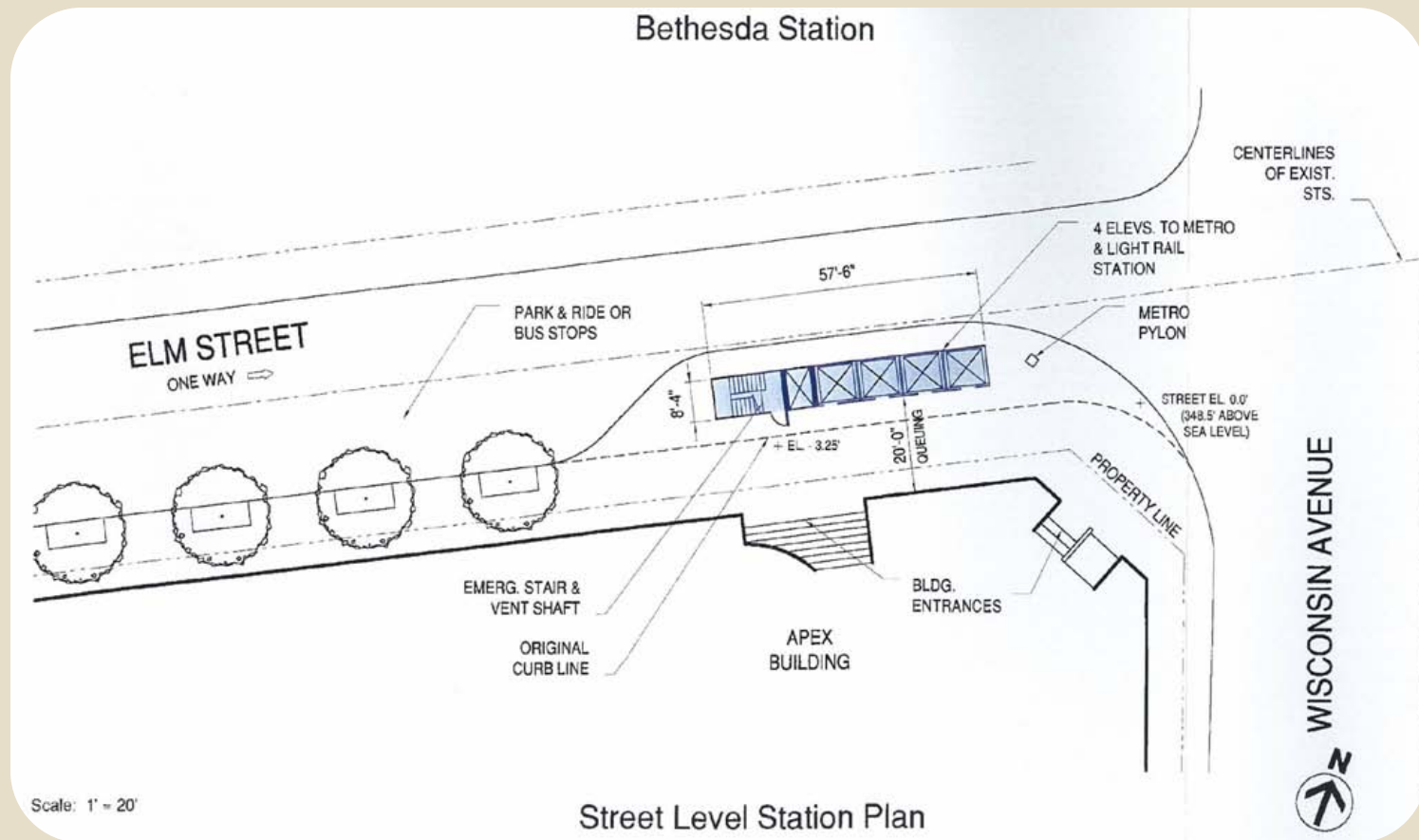
Arrangement of Elevators - Studies



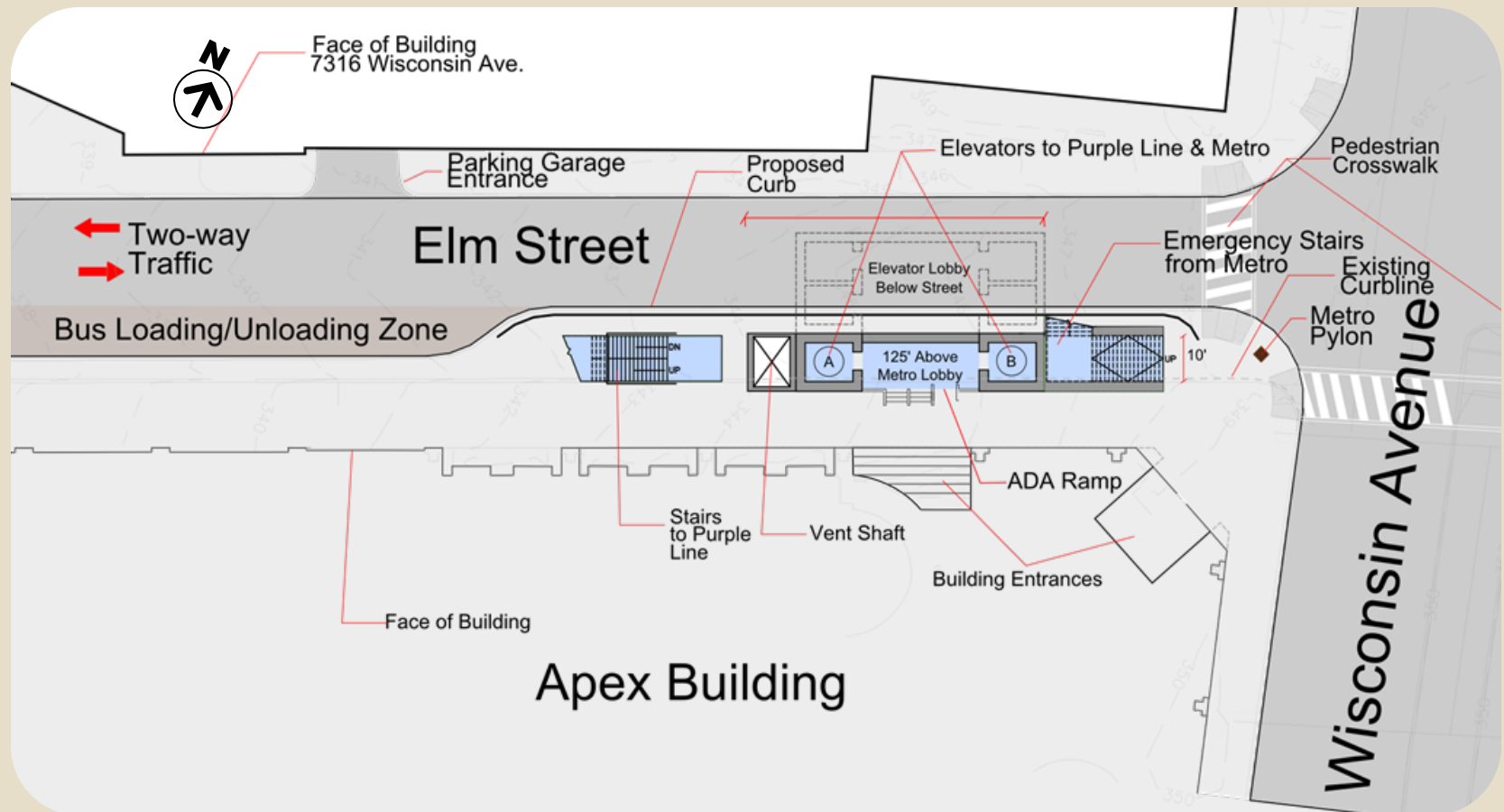
- ***Original Plan***– Four Linear Elevators (2001 WMATA Study)
 - Forces Elm Street to be a one-way street
 - Does not allow for future expansion
 - Does not meet 2030 ridership demand
 - Difficult to meet ADA requirements
- ***Current & Recommended Plan***– Six Elevators: two between Elm St, Purple Line and Red Line and four between Purple Line and Red Line (2011)
 - Allows Elm Street to be kept two-way
 - Meets 2030 ridership demand
 - Accommodates ADA requirements



Original Plan- Four Linear Elevators (2001 WMATA Study)



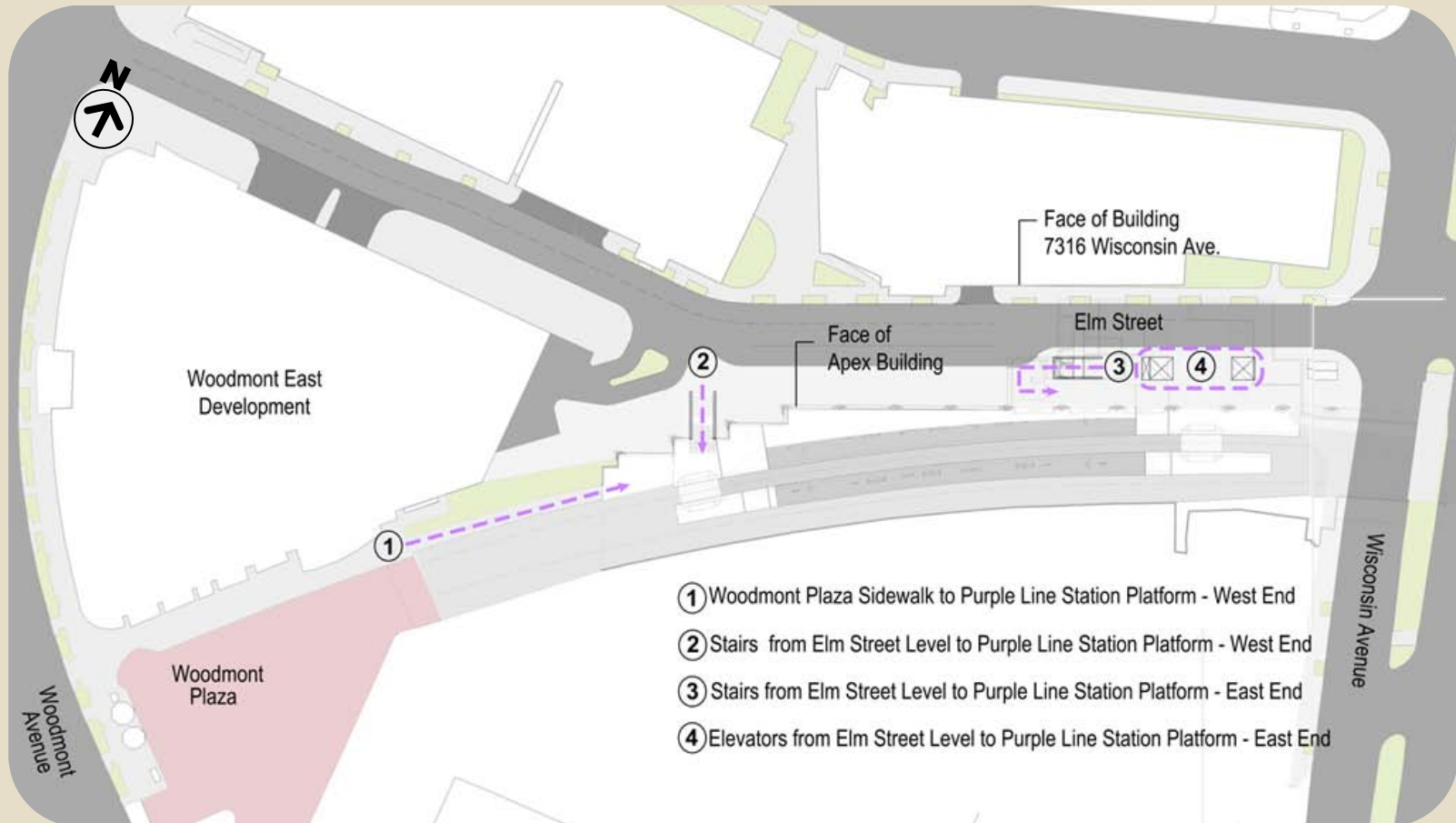
Current & Recommended Plan– Elm St. Level



2011

Bethesda Station South Entrance

Street Level Access



2011

Bethesda Station South Entrance

Elm Street Rendering



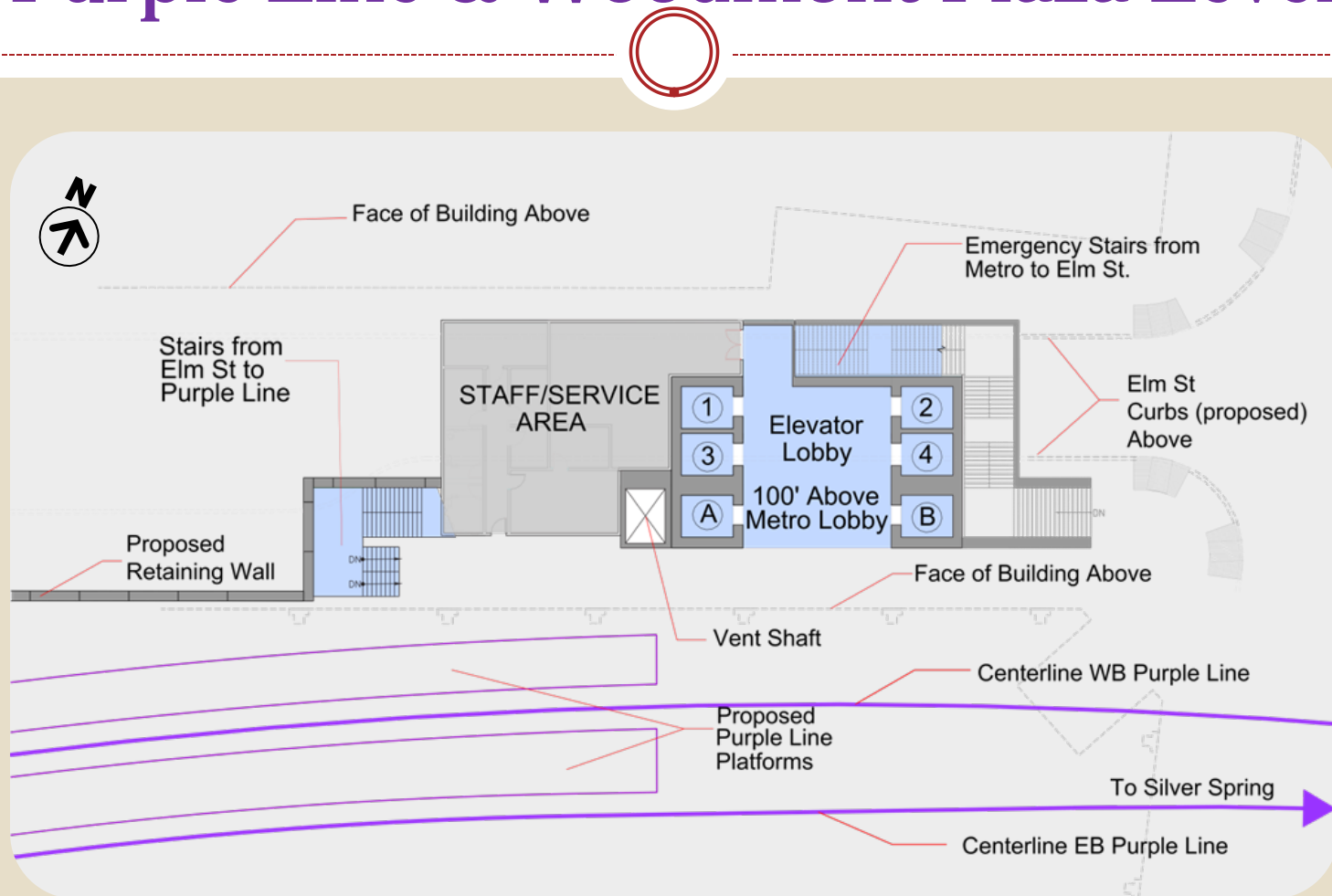
Bethesda Station South Entrance

Elm Street Rendering



Bethesda Station South Entrance

Current & Recommended Plan— Purple Line & Woodmont Plaza Level



2011

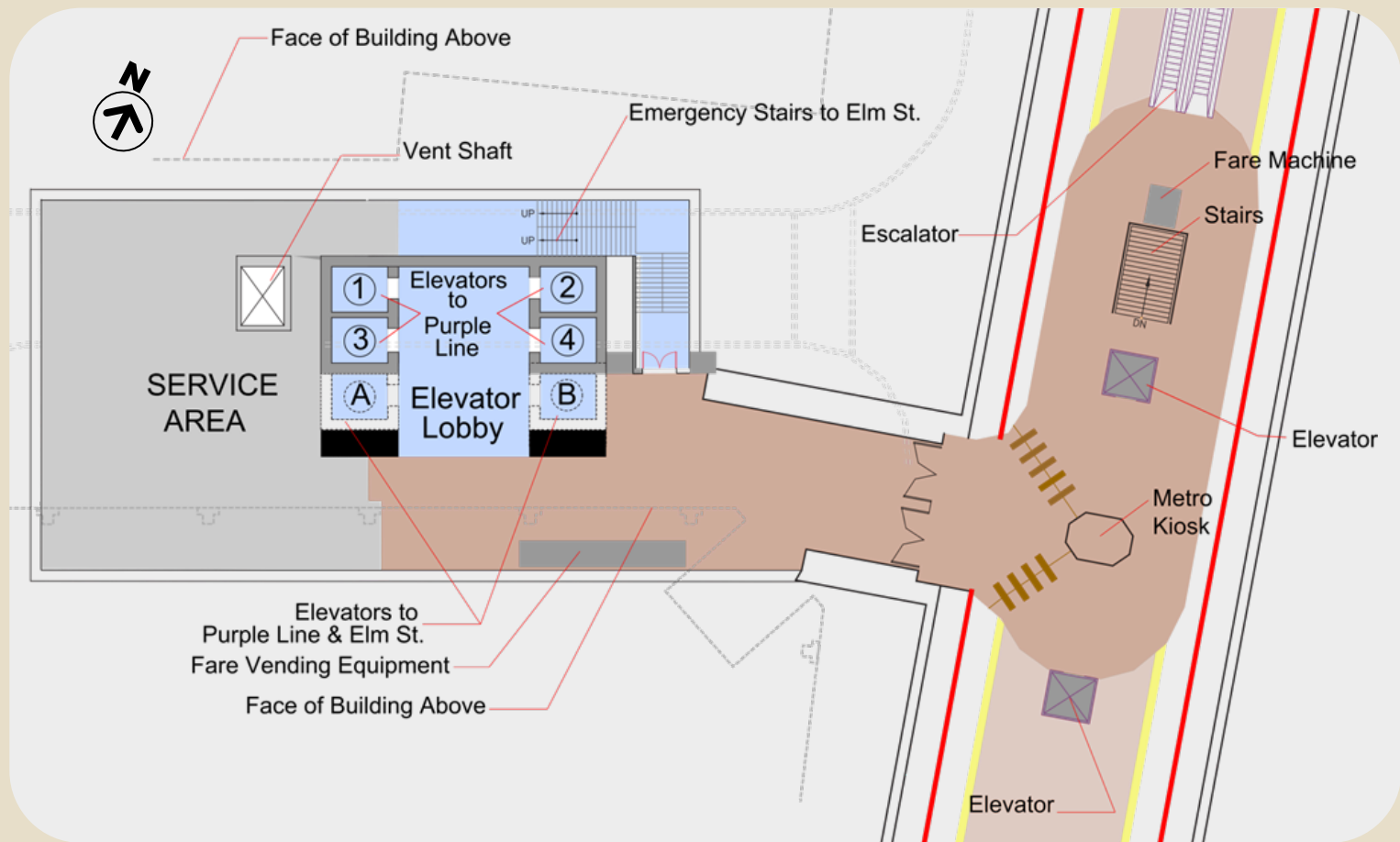


Purple Line Rendering

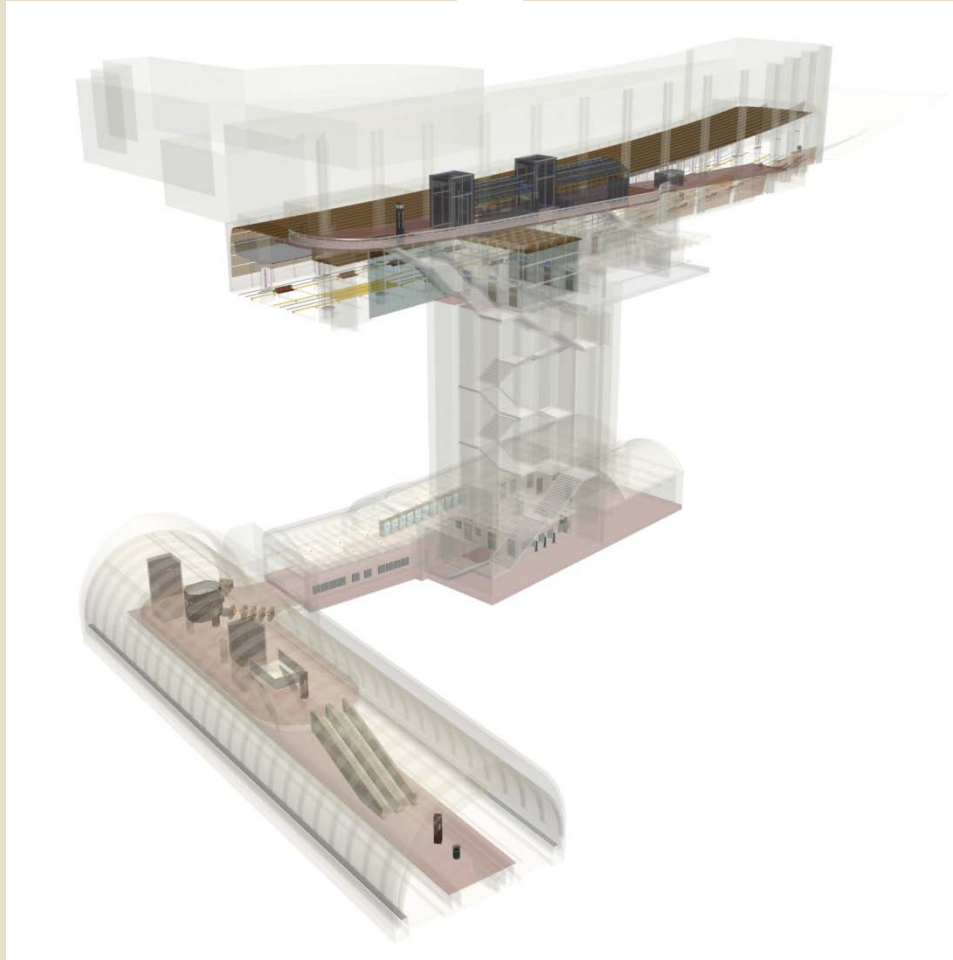


Bethesda Station South Entrance

Current & Recommended Plan – Red Line Mezzanine Level



Sectional Rendering



Metrorail Red Line Rendering



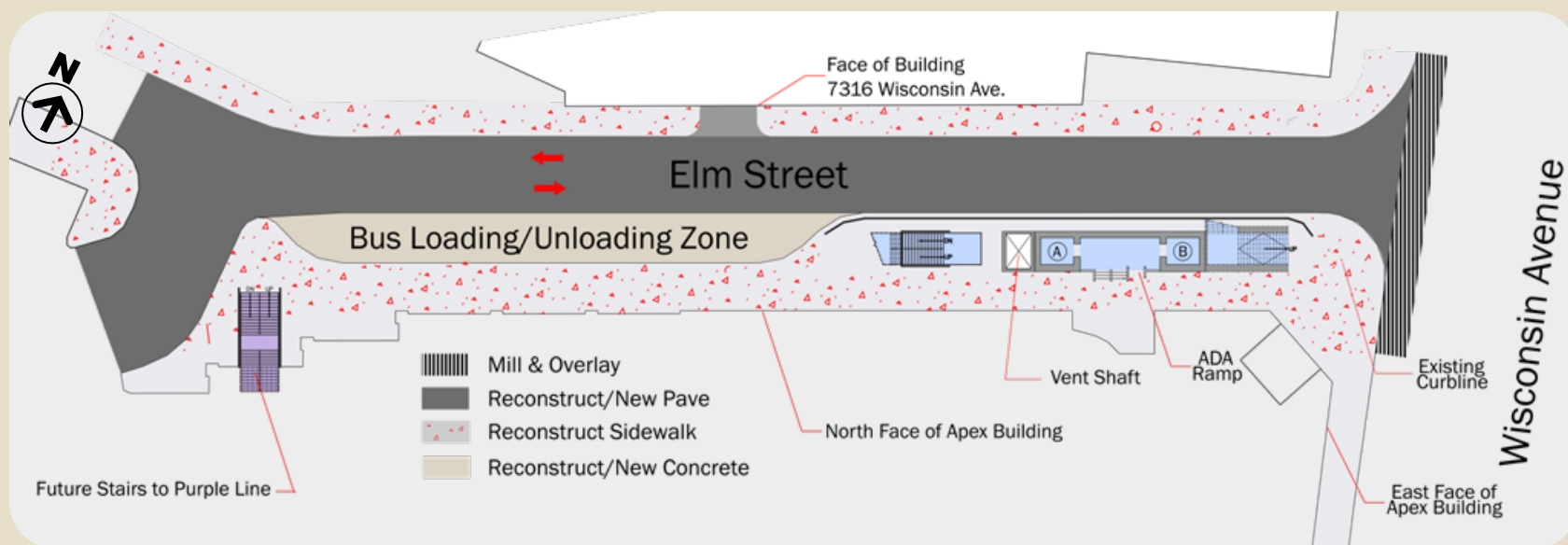
Bethesda Station South Entrance

Metrorail Red Line Rendering

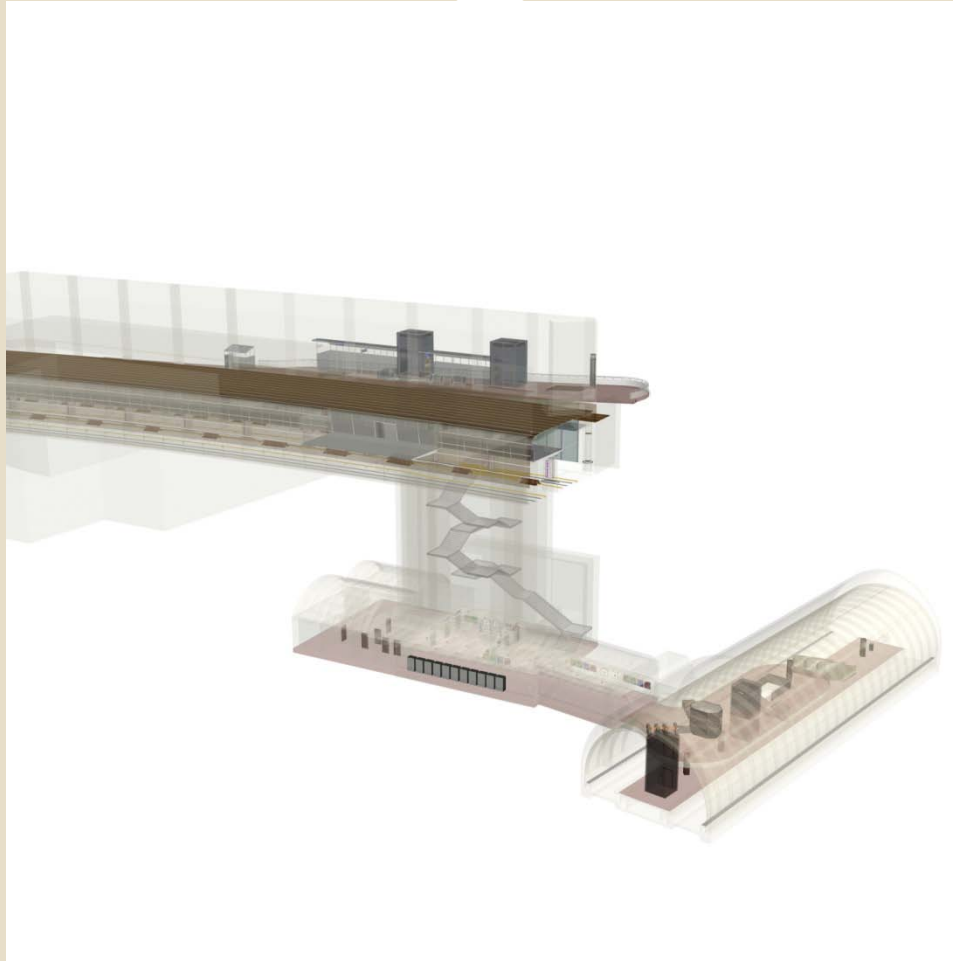


Bethesda Station South Entrance

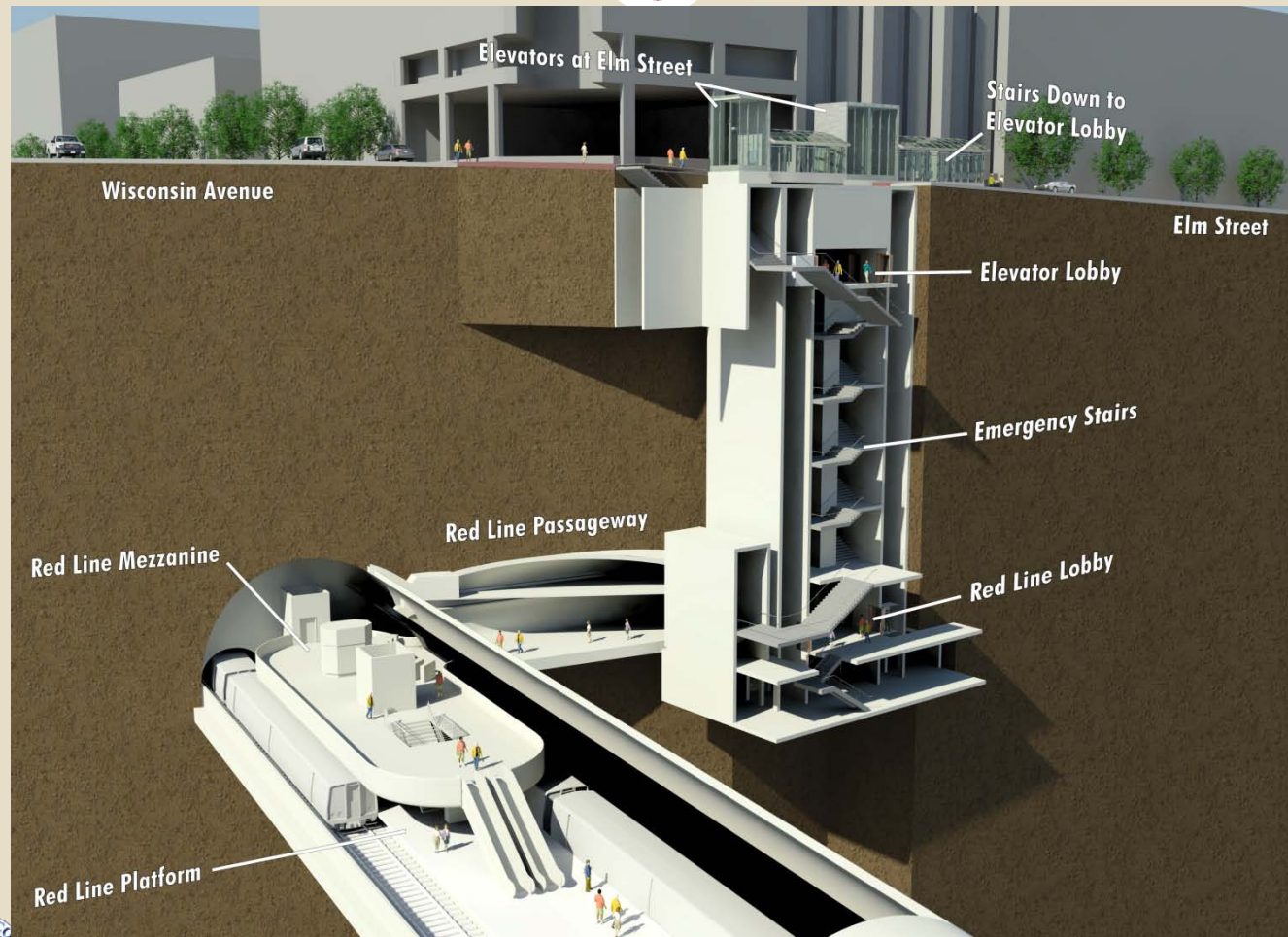
Paving & Restoration



Sectional Rendering



Sectional Rendering



Sectional Rendering



Landscaping



Bethesda Station

Bethesda CBD Design Guidelines



Chinese Elm Designated Street Tree



CBD Streetscape Vision



Existing Streetscape

North Side Zelkovas
in Poor Condition



South Side Mature Elms
in Excellent Condition



Proposed Streetscape Scheme

Paving to Match
Existing Standard
Bethesda Brick
Pattern

Street Trees Match Existing
Chinese Elms

Planter Cutouts
No Cobbles- Use
Groundcovers/Grasses

Street Furniture-
Match Existing



Bethesda Station South Entrance